



(Modified) PTO/SB/08A-B (10-96)  
Approved for use through 10/31/99. OMB 0650-0031

Substitute for form 1449A-B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	Complete if Known	
	Application Number	09/696,893
	Filing Date	October 26, 2000
	First Named Inventor	Fred Cohen
	Group Art Unit	2452 ZKS
	Examiner Name	Unassigned K Dms
Attorney Docket Number	511-000110US	

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Technology Center 2000

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
WD	AA	5,032,979		Hecht et al.	07-16-1991	
	AB	5,414,833		Hershey et al.	05-09-1995	
	AC	5,488,715		Wainwright	01-30-1996	
	AD	5,557,742		Smaha et al.	09-17-1996	
	AE	5,606,668		Shwed	02-25-1997	
	AF	5,621,889		Lermuzeaux et al.	04-15-1997	
WD	AG	5,796,942		Esbensen	08-18-1998	

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
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WD	AH	HASENSTEIN, M.; DIPLOMARBEIT, IP Network Address Translation, <a href="http://www.suse.de/~mha/HyperNews/get/linux-ip-nat.html">http://www.suse.de/~mha/HyperNews/get/linux-ip-nat.html</a> (1997) 32 pages		
	AI	Microsoft TechNet; SNA Open Gateway Architecture, <a href="http://www.microsoft.com/TechNet/sna/technote/soga.asp">http://www.microsoft.com/TechNet/sna/technote/soga.asp</a> , pages 1-20		
	AJ	Gateways, <a href="http://www.sohointer.net">http://www.sohointer.net</a> , 15 pages		
	AK	ComSoft Knowledge Share; <a href="http://www.vicomsoft.com/knowledge/reference/firewalls1.html">http://www.vicomsoft.com/knowledge/reference/firewalls1.html</a> , pages 1-10		
	AL	Microsoft Windows 2000 Server Documentation <a href="http://www.windows.com/windows2000/en/server/help/sag_ras-ch2-adv_11.htm">http://www.windows.com/windows2000/en/server/help/sag_ras-ch2-adv_11.htm</a> , 1 page		
	AM	Cisco IOS Network Address Translation (NAT) <a href="http://www.ieng.com/warp/public/701/60.html">http://www.ieng.com/warp/public/701/60.html</a> , pages 1-9		
WD	AN	ENTERASYS Networks, Network Address Translation, <a href="http://www.enterasys.com/products/whitepapers/ssr/network-trans/">http://www.enterasys.com/products/whitepapers/ssr/network-trans/</a> pages 1-6		

Examiner Signature	K Dms	Date Considered	4/12/05
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	Application Number	09/696,893
	Filing Date	October 26, 2000
	First Named Inventor	Fred Cohen
	Group Art Unit	2162 2151
	Examiner Name	Unassigned K. Dinh
	Attorney Docket Number	511-000110US

UD	AO	WINKLER, J.R., A Unix Prototype For Intrusion And Anomaly Detection In Secure Networks, <u>Proceedings, National Computer Security Conference</u> , Washington D.C. Oct. 1990, Planning Research Corp.	
	AP	SEBRING, M.M, et al. Expert Systems In Intrusion Detection; A Case-Study, Proceedings of the 11 <sup>th</sup> National Computer Security Conference, 1988, pp 74-81	
	AQ	DEBAR, H., et al. A Neural Network Component For An Intrusion Detection System, Proceedings of the 1992 IEEE Computer Society Symposium on Research in Security and Privacy, Cedex, France, 1992 pp 240-250	
	AR	DOWELL, C., et al. The ComputerWatch Data Reduction Tool, Proceedings of the 13 <sup>th</sup> National Computer Security Conference, 1990, pp 99-108	
	AS	SNAPP, S.R. et al, DIDS (Distributed Intrusion Detection System) - Motivation, Architecture, And An Early Prototype, Proceedings of the 14 <sup>th</sup> National Computer Security Conference, 1991, pp 167-176	
	AT	TENER, William T., Discovery; An Exret System In The Commerical Data Security Environment., Originally presented at the Fourth IFIP Symposium on Information Systems Security, Monte Carlo, 1986. Also appeared in <u>Security and Protection in Information Systems</u> , ed. Andre Grissonanche, pp. 261-68. 1989 Elsevier Science Publishers, B.V. (North Holland) pages 45-53 as submitted.	
	AU	SNAPP, S.R. Signature Analysis And Communication Issues In A Distributed Intrusion Detection System, 1991, Committee in Charge, submitted in partial satisfaction of the requirements for Master of Science in Computer Science at the University of California Davis pp I-40	
UD	AV	AVRITZER, A. et al., Reliability Testing Of Rule-Based Systems, 1996 International Symposium on Software Reliability Engineering, White Plains, N.Y., October 30-November 2. (7 pages)	

Examiner Signature	K. Dinh	Date Considered	4/15/05
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	Application Number	09/696,893
	Filing Date	October 26, 2000
	First Named Inventor	Fred Cohen
	Group Art Unit	2152 257
	Examiner Name	Unassigned K. Dms
	Attorney Docket Number	511-000110US

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WD	AA	5,966,650		Hobson, et al.	10-12-1999	

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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Examiner Signature	K Dms	Date Considered	4/15/05
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STATEMENT BY APPLICANT**

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### Complete if Known

Application Number	09/696,893
Filing Date	October 26, 2000
First Named Inventor	Fred Cohen
Group Art Unit	2452-2151
Examiner Name	Unassigned K. Dinh
Attorney Docket Number	511-000110US

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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**Examiner  
Initials**

AA

Venter, H.S. et al. "Data Packet Intercepting on the Internet: How and Why? A Closer look at Existing Data Packet-Intercepting Tools" Computers & Security. International Journal Devoted to the Study of Technical and Financial Aspects of Computer Security, Elsevier Science Publishers. Amsterdam, NL vol. 17, no. 8, 1998, pages 683-692, XP004150446 ISSN: 0167-4048.

UN

**AB**

Cohen F., "Simulating Cyber Attacks, Defences, and Consequences" *Computers & Security, International Journal Devoted to the Study of Technical and Financial Aspects of Computer Security*, Elsevier Science Publishers. Amsterdam, NL, vol. 18, no. 6, 1999, pages 479-518, XP004178853 ISSN: 0167-4048

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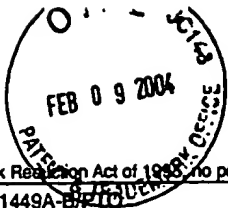
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Signature**

K. Dinh

Date  
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PTO/SB/08A (04-03)

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INFORMATION DISCLOSURE  
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## Complete if Known

Application Number	09/696,893
Filing Date	October 26, 2000
First Named Inventor	Fred Cohen
Group Art Unit	2152-2151
Examiner Name	Unassigned K. Dinh
Attorney Docket Number	511-000110US
Date Submitted	February 6, 2004

## U.S. PATENT DOCUMENTS

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WD	01	BELLOVIN (1992) "There Be Dragons." Proceedings of the Third Usenix UNIX Security Symposium. Baltimore (September 1992). World Wide Web at <a href="http://www.research.att.com/~smb/papers/dragon.pdf">http://www.research.att.com/~smb/papers/dragon.pdf</a>	
I	02	CHESWICK et al. (1991) "An Evening with Berferd: In Which a Cracker is Lured, Endured, and Studied". World Wide Web at <a href="http://www.deter.com/unix/papers/berferd_cheswick.pdf">http://www.deter.com/unix/papers/berferd_cheswick.pdf</a> .	
I	03	CISCO SYSTEMS Inc. (1999) "Cisco IOS Network Address Translation (NAT)" World Wide Web at <a href="http://www.ieng.com/warp/public/701/60.html">http://www.ieng.com/warp/public/701/60.html</a> . Pages 1-9 of 9.	
I	04	COHEN (1992) "Operating System Protection Through Program Evolution Computers and Security". World Wide Web at <a href="http://all.net/books/IP/evolve.html">http://all.net/books/IP/evolve.html</a> . Pages 1-22 of 22.	
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Examiner Signature	K. Dinh	Date Considered	4/15/05
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	First Named Inventor	Fred Cohen
	Group Art Unit	2462 2451
	Examiner Name	Unassigned K. Dink
	Attorney Docket Number	511-000110US
Date Submitted	February 4, 2004	

up	06	COHEN (1996) "A Note On Distributed Coordinated Attacks". World Wide Web at <a href="http://www.all.net/books/dca/background.html">http://www.all.net/books/dca/background.html</a> . Page 1 of 1.	
	07	COHEN (1996) "Internet Holes - Incident at All.Net". Network Security Magazine, April, 1996. World Wide Web at <a href="http://all.net/journal/netsec/1996-04.html">http://all.net/journal/netsec/1996-04.html</a> . Page 1 -11 of 11 total.	
	08	COHEN (1996) "Internet Holes - Internet Lightning Rods" Network Security Magazine, (July, 1996). World Wide Web at <a href="http://all.net/journal/netsec/1996-07-2.html">http://all.net/journal/netsec/1996-07-2.html</a> . Pages 1-5 of 5.	
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	10	COHEN (1996) "National Info-Sec Technical Baseline - Intrusion Detection and Response" World Wide Web at <a href="http://www.all.net/journal/ntb/ids.html">http://www.all.net/journal/ntb/ids.html</a> . Pages 1-21 of 21.	
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	12	COHEN (1998) "National InfoSec Technical Baseline - At the Intersection of Security, Networking, and Management" World Wide Web at <a href="http://www.all.net/journal/ntb/nsm.html">http://www.all.net/journal/ntb/nsm.html</a> . Pages 1-17 of 17.	
	13	ENTERASYS Networks (2000) "Network Address Translation" World Wide Web at <a href="http://www.enterasys.com/products/whitepapers/ssr/network-trans/">http://www.enterasys.com/products/whitepapers/ssr/network-trans/</a> . Pages 1-6 of 6.	
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	16	MICROSOFT Corporation (2000) "Microsoft Windows 2000 Server Documentation" World Wide Web at <a href="http://www.windows.com/windows2000/en/server/help/sag_rras-ch2-adv_11.htm">http://www.windows.com/windows2000/en/server/help/sag_rras-ch2-adv_11.htm</a> . Page 1 of 1.	
	17	SIX SIGMA Networks (2000) "Types of Internet Gateways" World Wide Web at <a href="http://www.sohointer.net/learn/gateways.htm">http://www.sohointer.net/learn/gateways.htm</a> , Pages 1-15 of 15 total.	
up	18	VICOM Technology Ltd. (2000) "ViComSoft Knowledge Share Firewall: Q & A". World Wide Web at <a href="http://www.vicomsoft.com/knowledge/reference/firewalls1.html">http://www.vicomsoft.com/knowledge/reference/firewalls1.html</a> . Pages 1-10 of 10.	

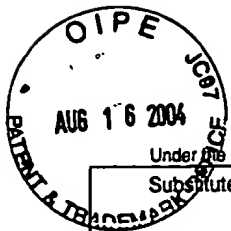
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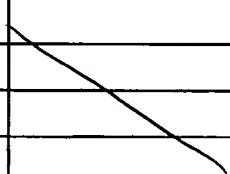
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	Group Art Unit		2152-2151	
	Examiner Name		Khanh Q. Dinh	
	Attorney Docket Number		511-000110US	
Date Submitted		August 12, 2004		

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W	01	COHEN (1985) "Algorithmic Authentication of Identification." Information Age, V7, #1 (Jan. 1985), pp. 35-41.		
W	02	COHEN (1998) "Managing Network Security: The Unpredictability Defense." Located on the World Wide Web at <a href="http://all.net/journal/netsec/1998-04.html">http://all.net/journal/netsec/1998-04.html</a> . Fred Cohen & Associates, April, 1998.		
W	03	COHEN et al. (1998) "A Preliminary Classification Scheme for Information System Threats, Attacks, and Defenses; A Cause and Effect Model; and Some Analysis Based on That Model." Located on the World Wide Web at <a href="http://all.net/journal/ntb/cause-and-effect.html">http://all.net/journal/ntb/cause-and-effect.html</a> . Sandia National Laboratories, September 1998.		

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